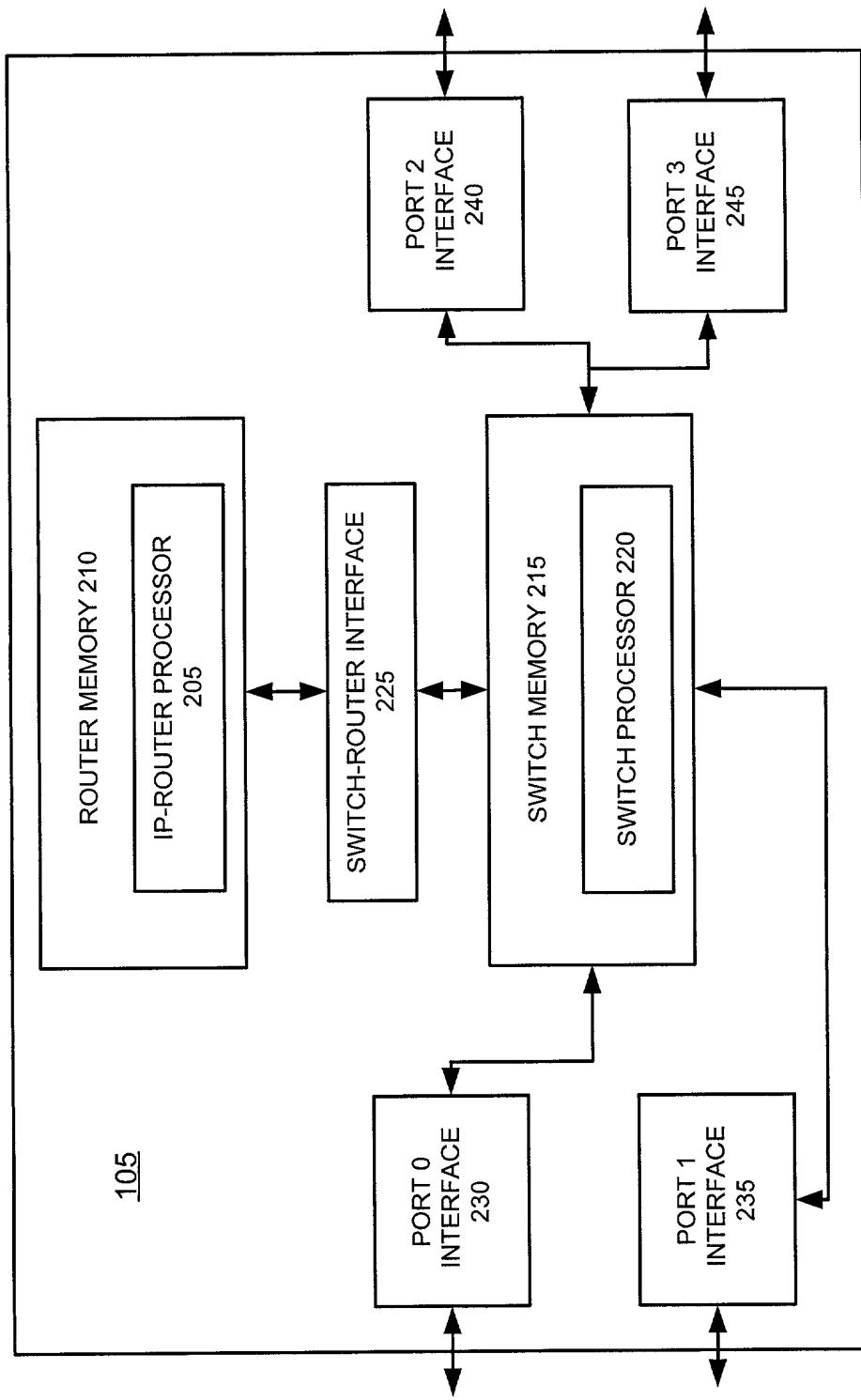


FIG. 1

FIG. 2



VC TABLE 300

VC ENTRY 305	SWITCH OUTPUT PORT (PN_{out}) 310	VCI_{out} 315	<i>VIRTUAL CIRCUIT LENGTH</i>
1	IP ROUTER	1	0 HOPS -> IP
2	Port 0	1	1 HOP -- $PN_0 \rightarrow IP$
3	Port 1	1	1 HOP -- $PN_1 \rightarrow IP$
4	Port 2	1	1 HOP -- $PN_2 \rightarrow IP$
5	Port 3	1	1 HOP -- $PN_3 \rightarrow IP$
6	Port 0	2	2 HOPS -- $PN_0 \rightarrow PN_0 \rightarrow IP$
7	Port 0	3	2 HOPS -- $PN_0 \rightarrow PN_1 \rightarrow IP$
8	Port 0	4	2 HOPS -- $PN_0 \rightarrow PN_2 \rightarrow IP$
9	Port 0	5	2 HOPS -- $PN_0 \rightarrow PN_3 \rightarrow IP$
10	Port 1	2	2 HOPS -- $PN_1 \rightarrow PN_0 \rightarrow IP$
11	Port 1	3	2 HOPS -- $PN_1 \rightarrow PN_1 \rightarrow IP$
12	Port 1	4	2 HOPS -- $PN_1 \rightarrow PN_2 \rightarrow IP$
13	Port 1	5	2 HOPS -- $PN_1 \rightarrow PN_3 \rightarrow IP$
14	Port 2	2	2 HOPS -- $PN_2 \rightarrow PN_0 \rightarrow IP$
15	Port 2	3	2 HOPS -- $PN_2 \rightarrow PN_1 \rightarrow IP$
16	Port 2	4	2 HOPS -- $PN_2 \rightarrow PN_2 \rightarrow IP$
17	Port 2	5	2 HOPS -- $PN_2 \rightarrow PN_3 \rightarrow IP$
18	Port 3	2	2 HOPS -- $PN_3 \rightarrow PN_0 \rightarrow IP$
19	Port 3	3	2 HOPS -- $PN_3 \rightarrow PN_1 \rightarrow IP$
20	Port 3	4	2 HOPS -- $PN_3 \rightarrow PN_2 \rightarrow IP$
21	Port 3	5	2 HOPS -- $PN_3 \rightarrow PN_3 \rightarrow IP$

FIG. 3

400

ROUTER# 405	ROUTER_B			
SEQ. # 410	SEQ_NUM			
NO. OF PORTS 415	VC BASE ENTRY NO. 420		MAX NO. OF HOPS SUPPORTED 425	
LINKS 430	TO A	TO G	TO D	OPEN
METRICS 435	M_1	M_2	M_3	--
PORT NUMBER 440	0	1	2	3

FIG. 4

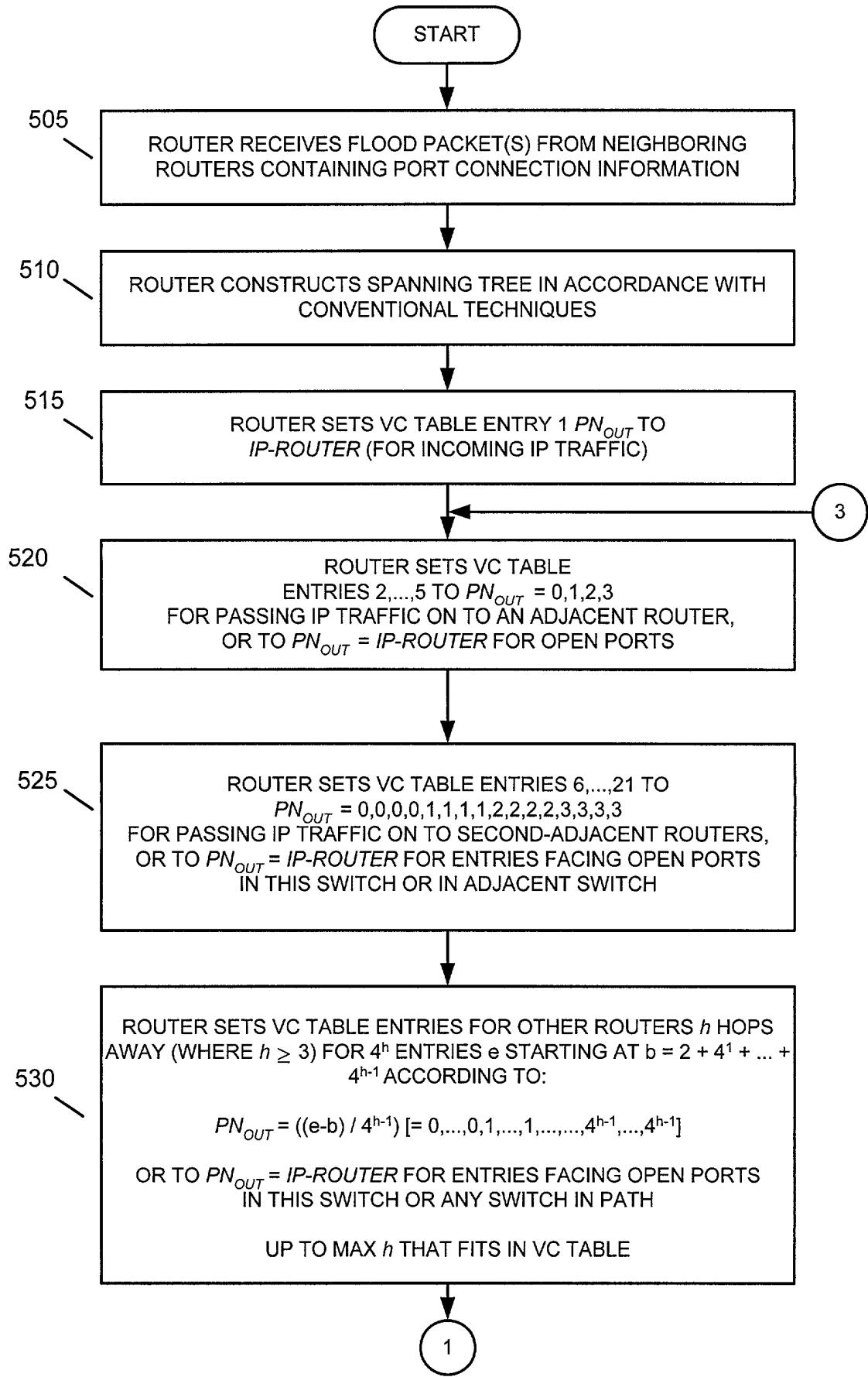


FIG. 5

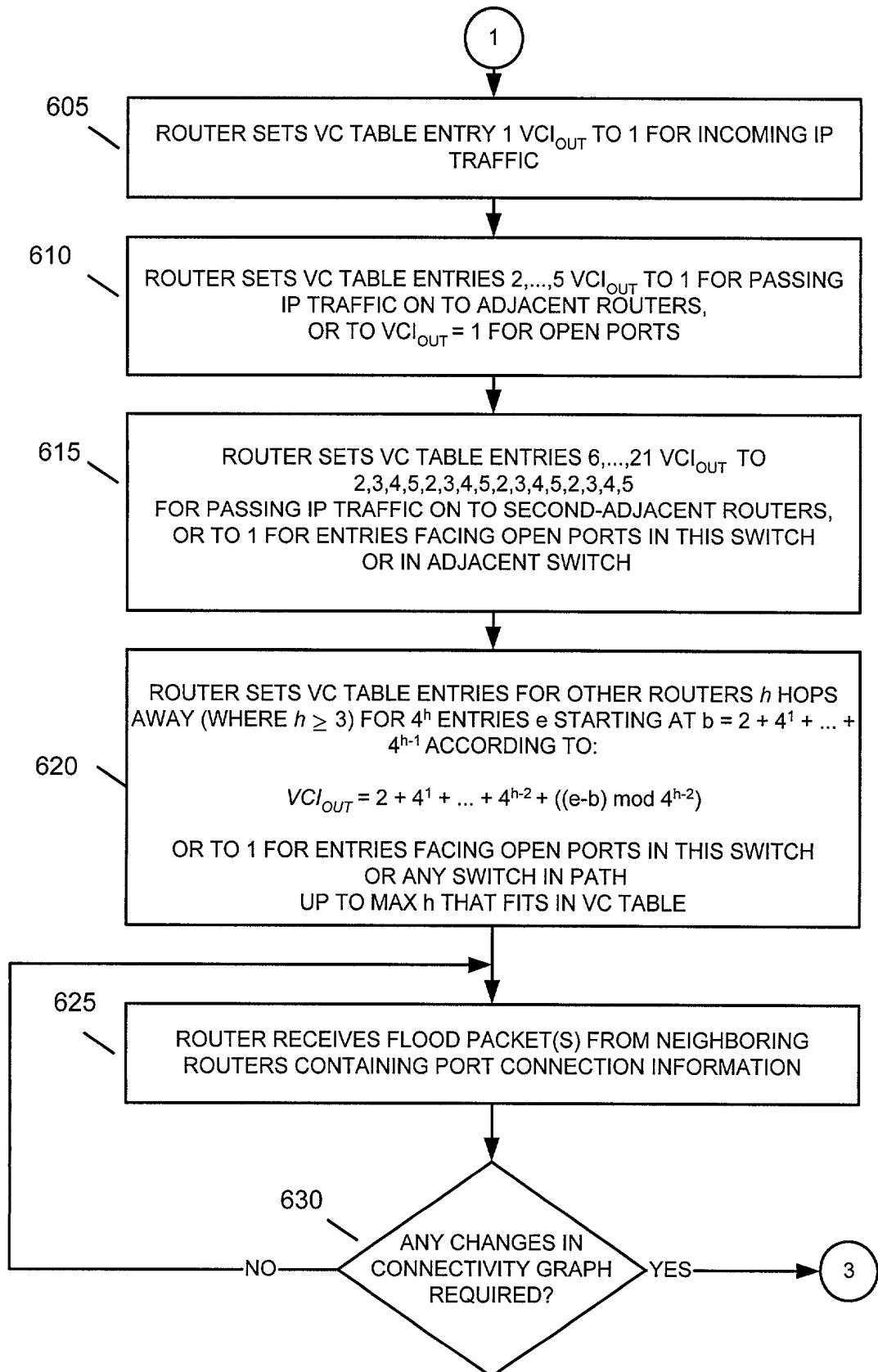


FIG. 6

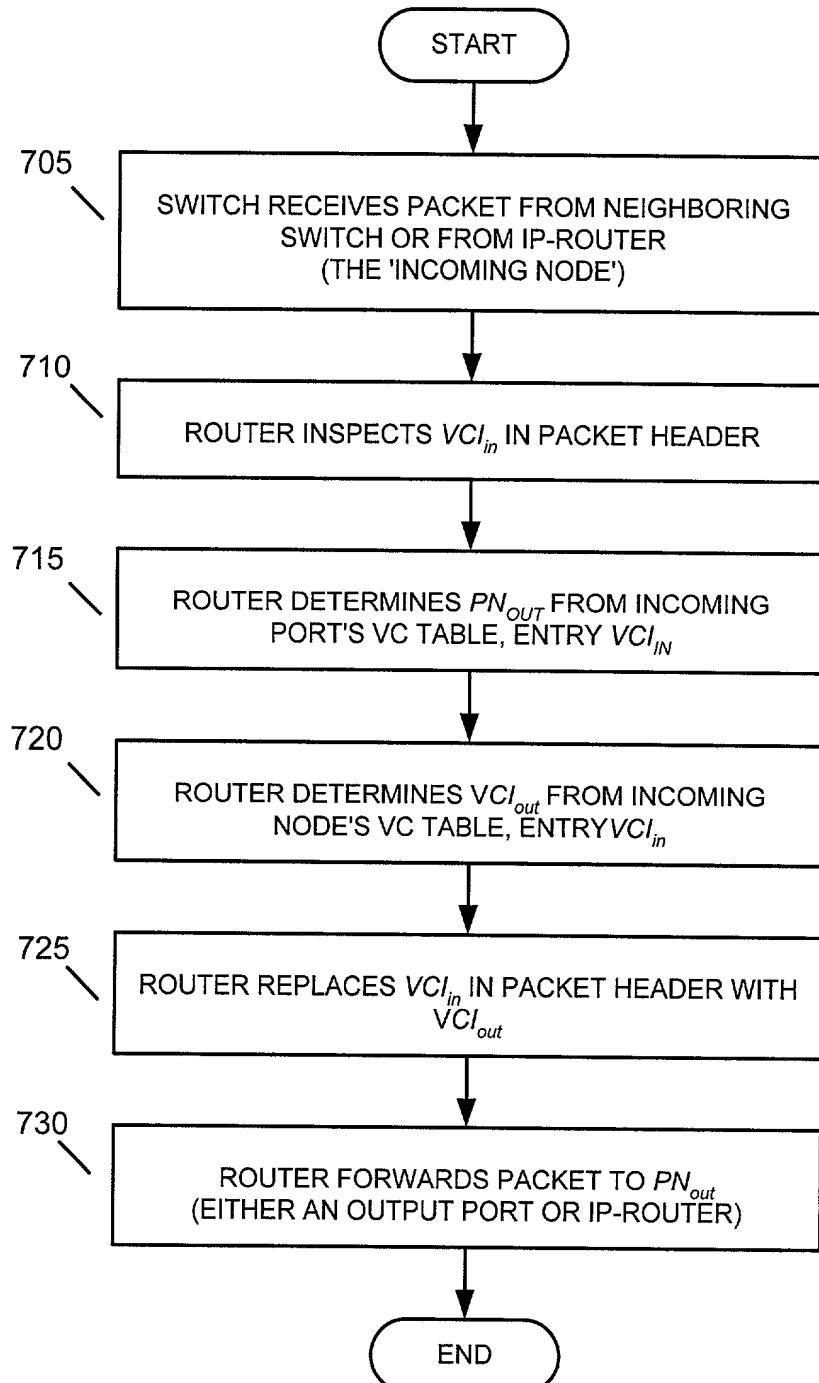


FIG. 7

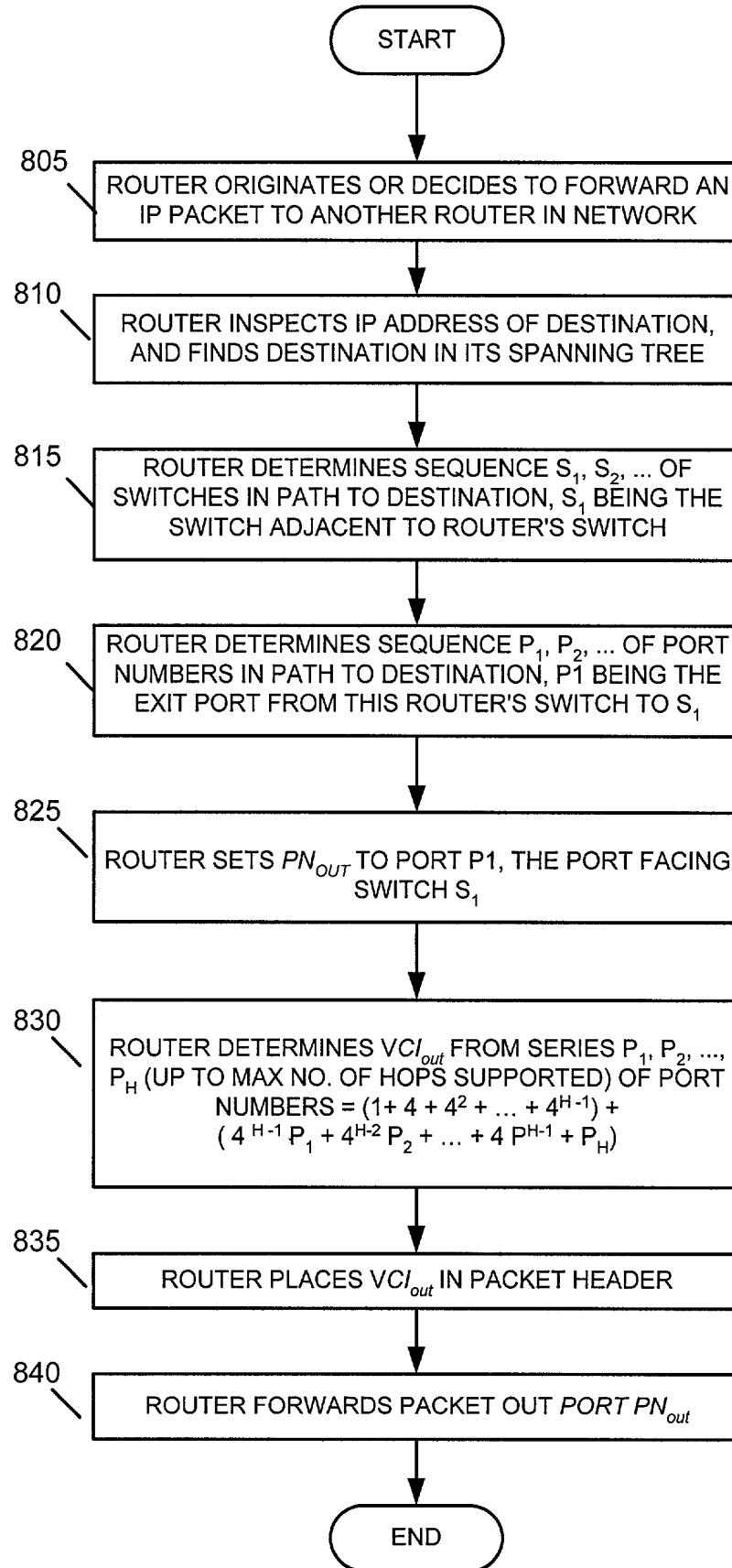


FIG. 8